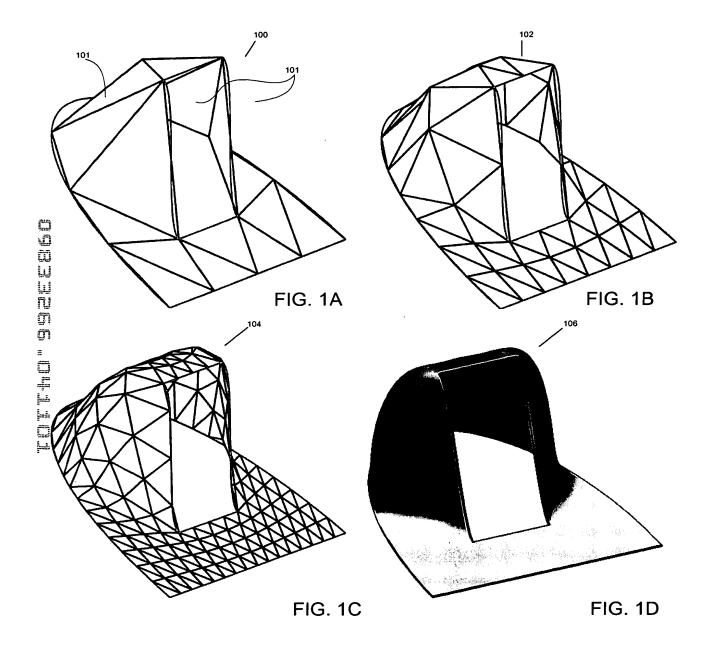
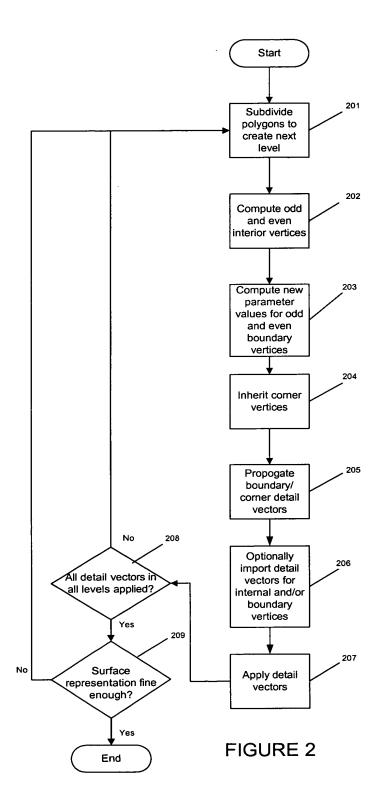
Inventors: Nathan Litke, et al. Howrey Docket No. 01339.0005.00US01 1/19







Start

304

Select weights

306

Apply weights

FIGURE 3A

CORTARDE CHILDI

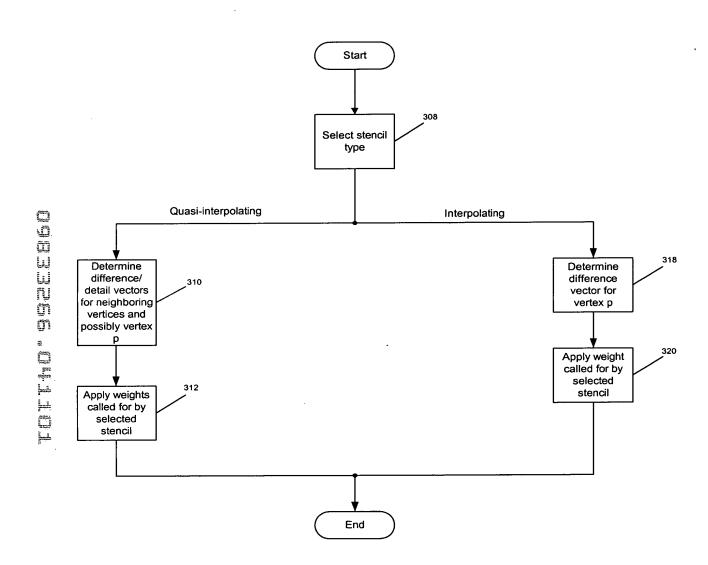


FIGURE 3B

ESSELLATED POLYGONS AND RELATED SYS Inventors: Nathan Litke, et al. Howrey Docket No. 01339.0005.00US01 5/19

> Remesh polygons near the trim curve 415 Eliminate polygons within or intersecting trim curve Perform stitching operation to attach perimeter of trimmed mesh to trim curve and fill gap 417 Define correspondence between vertices of trimmed mesh and original limit surface 418 Reduce distortion of trimmed mesh near the

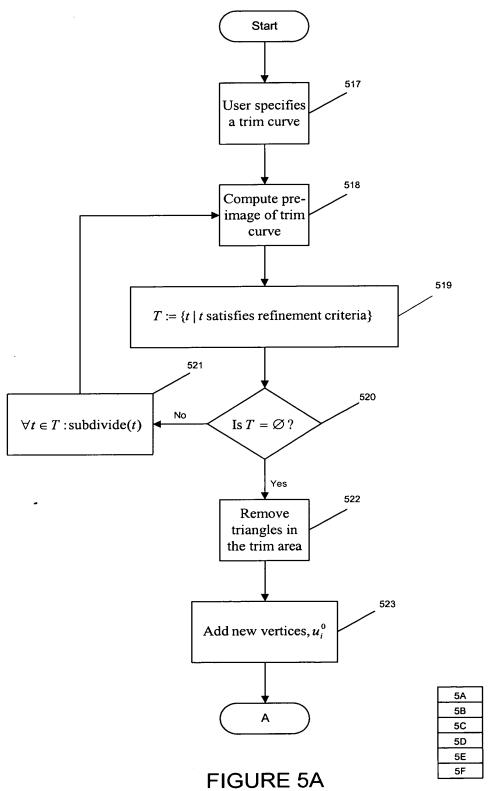
FIGURE 4

trim curve

ISSISSE INTIL

Inventors: Nathan Litke, et al. Howrey Docket No. 01339.0005.00US01

6/19



The first and may may the first

m

## Inventors: Nathan Litke, et al. Howrey Docket No. 01339.0005.00US01

7/19

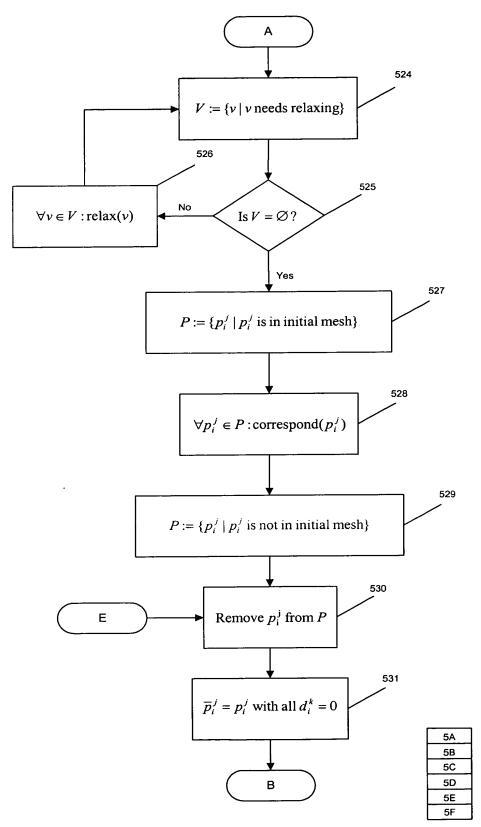


FIGURE 5B

Inventors: Nathan Litke, et al.
Howrey Docket No. 01339.0005.00US01

8/19

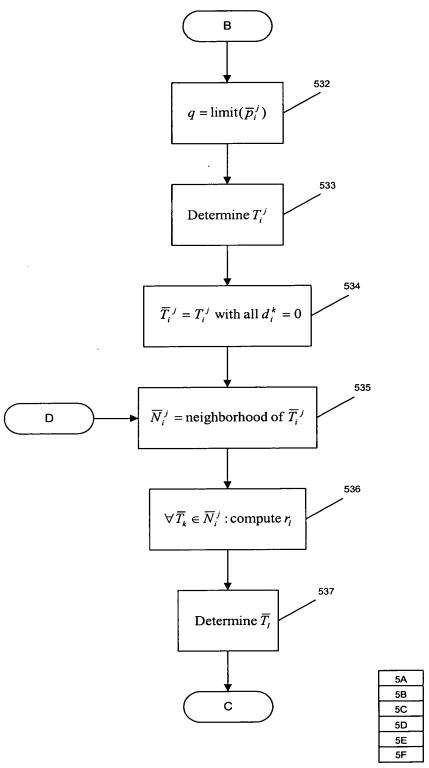
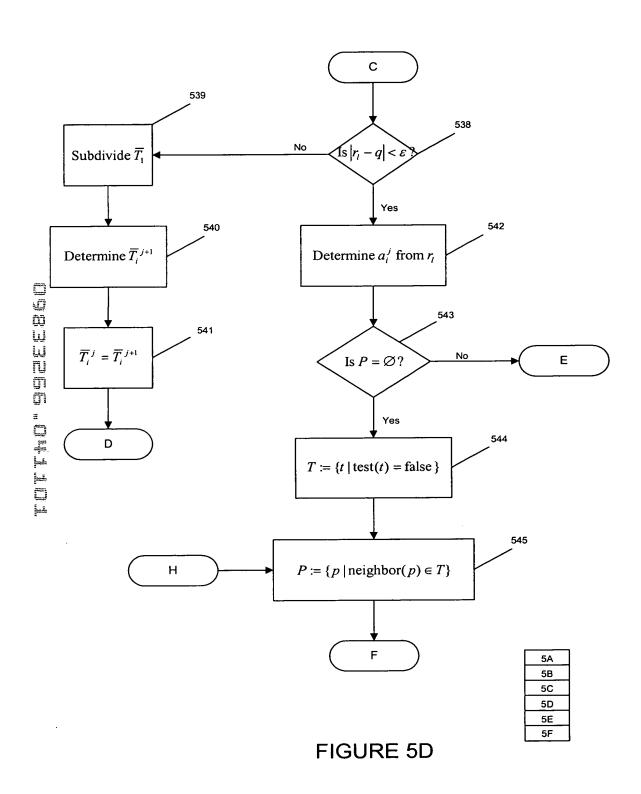


FIGURE 5C

ELLATED POLYGONS AND RELATED SYSTEN
Inventors: Nathan Litke, et al.
Howrey Docket No. 01339.0005.00US01
9/19



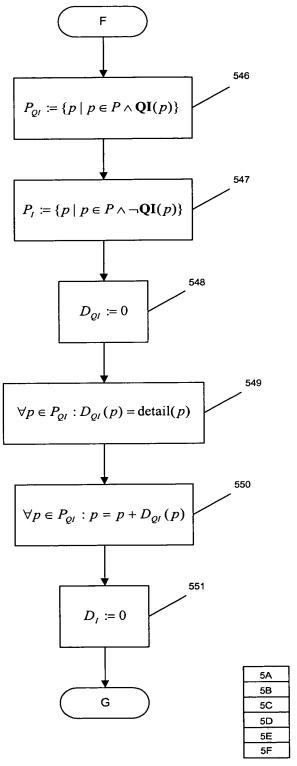


FIGURE 5E

Inventors: Nathan Litke, et al. Howrey Docket No. 01339.0005.00US01 11/19



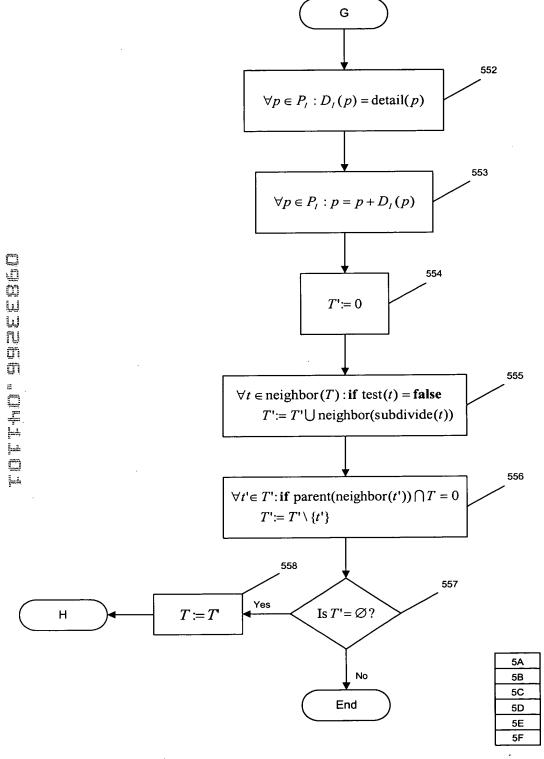
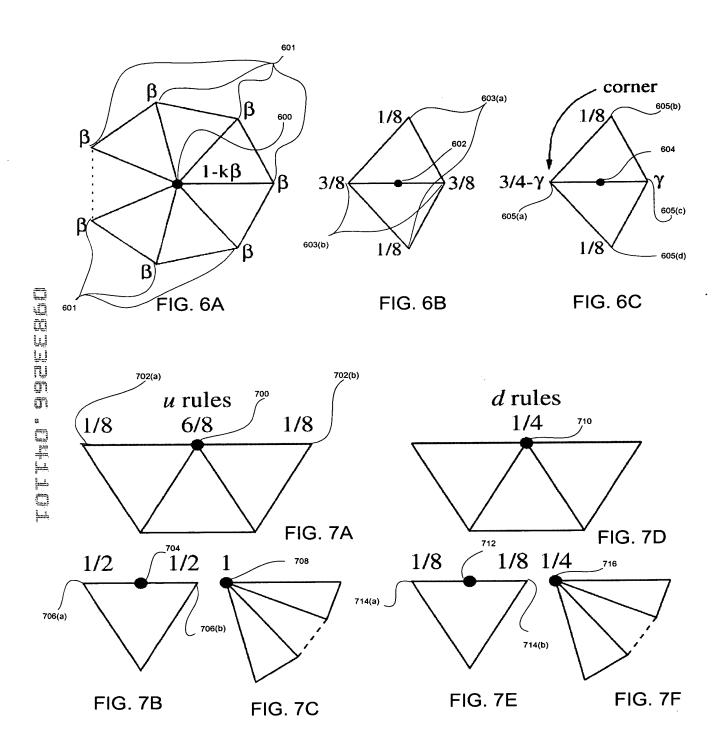
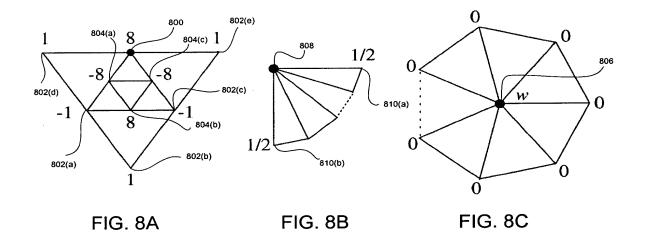


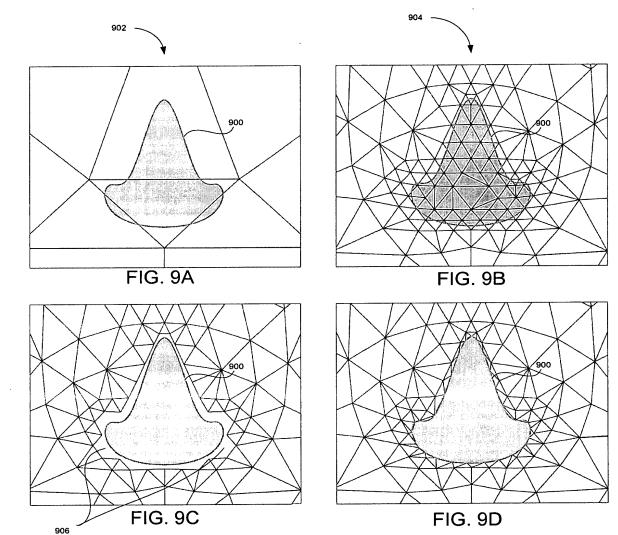
FIGURE 5F











## METHOD OF TRIMMING REPRESENTATION OF AN OBJECT SURFACE CONDRISING A MESH OF ESSELLATED POLYGONS AND RELATED SYSTEM Inventors: Nathan Litke, et al. Howrey Docket No. 01339.0005.00US01 15/19

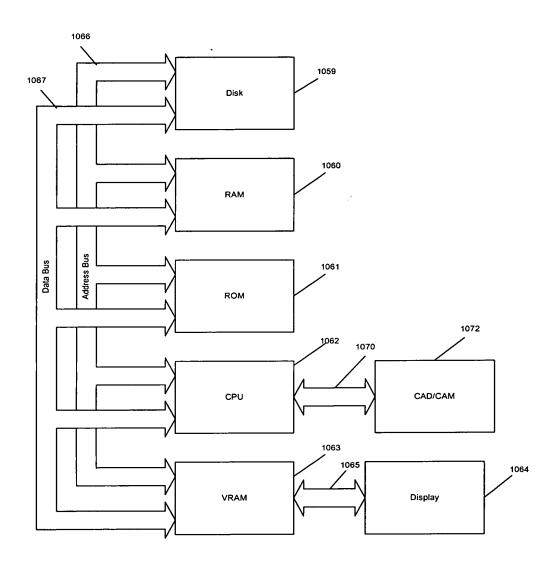


FIGURE 10

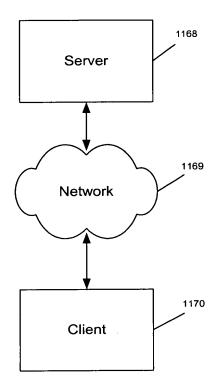
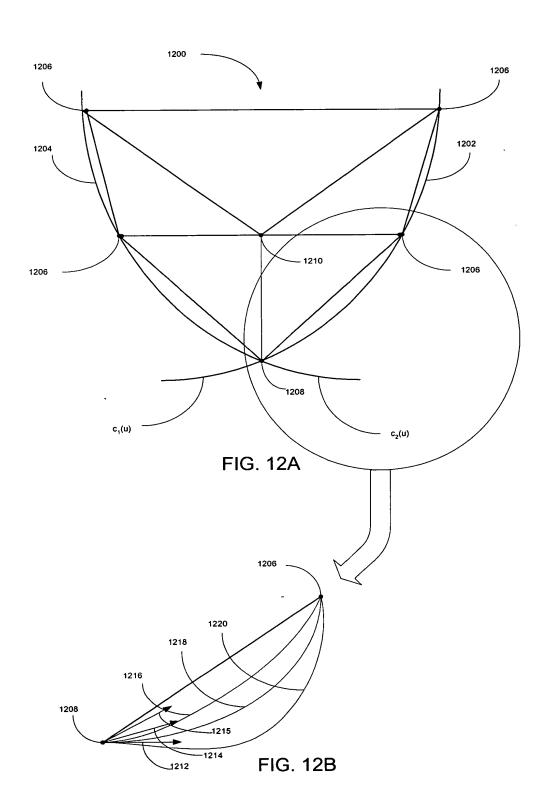


FIGURE 11

DYPURED OUTION





Inventors: Nathan Litke, et al.
Howrey Docket No. 01339.0005.00US01
18/19

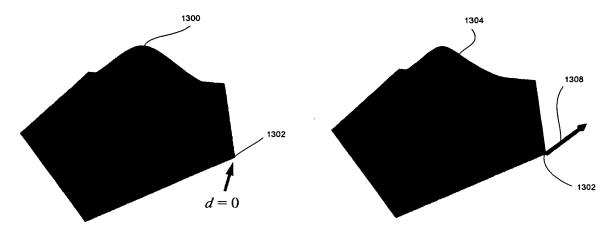


FIG. 13A FIG. 13B

COBSES ULLIOI

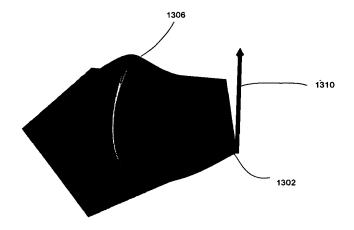


FIG. 13C

METHOD OF TRIME OF REPRESENTATION OF AN OBJECT SURFACE CONSISING A MESH OF ESSELLATED POLYGONS AND RELATED SYSTEM Inventors: Nathan Litke, et al.

Howrey Docket No. 01339.0005.00US01

19/19

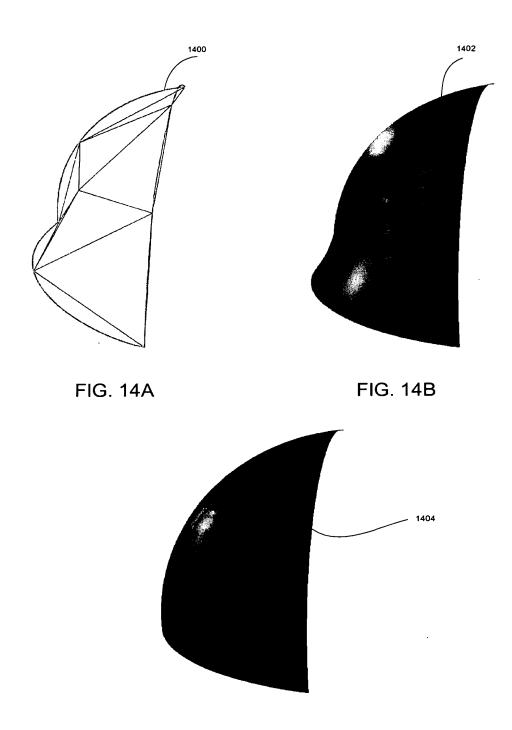


FIG. 14C